

CLAIMS

What is claimed is:

- 1 1. A method for calculating edge functions for a patch of pixels,
2 comprising the actions of:
3 computing edge function values for at least one interior point within
4 said patch; and
5 computing edge function values for multiple other points within said
6 patch, using an arithmetic combination of
7 said edge function values for said interior point,
8 together with previously computed values of said edge functions
9 for points on the border of said patch,
10 together with a reduced set of offset vectors.

2. A method for calculating edge functions for a patch of points, comprising the actions of:
computing the value of an edge function at an interior reference point within said patch, and at a boundary reference point on the edge of said patch; and
assessing the value of said edge function at multiple other points within said patch, by comparing
the value of said edge function at a respective reference point, which may be said interior reference point or said boundary reference point or a previously computed reference point,
with
the delta value of said edge function for a respective one of a reduced set of offset vectors;
wherein said reduced set of offset vectors does not include vectors which are complements or shifts of each other.